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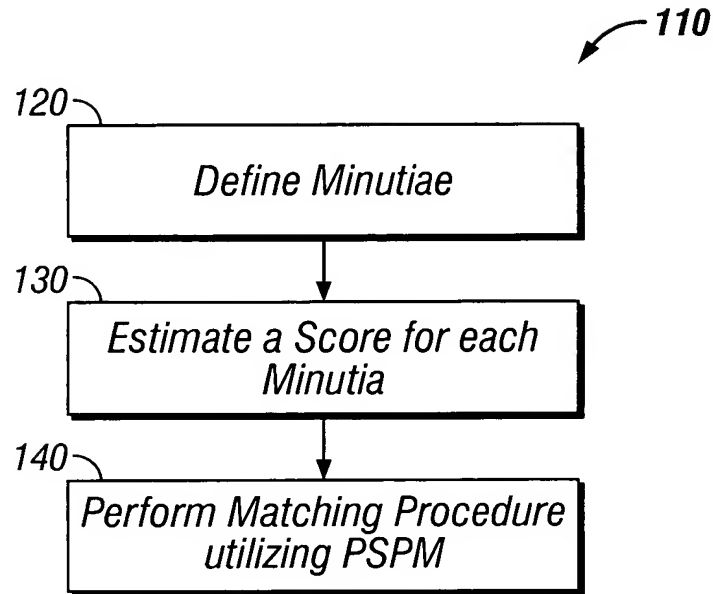


FIG. 1

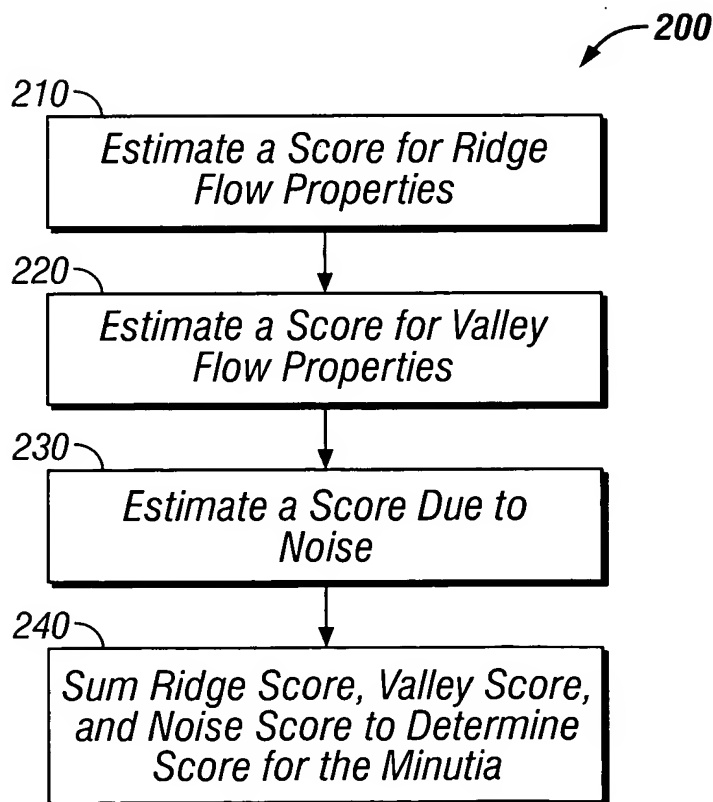


FIG. 2

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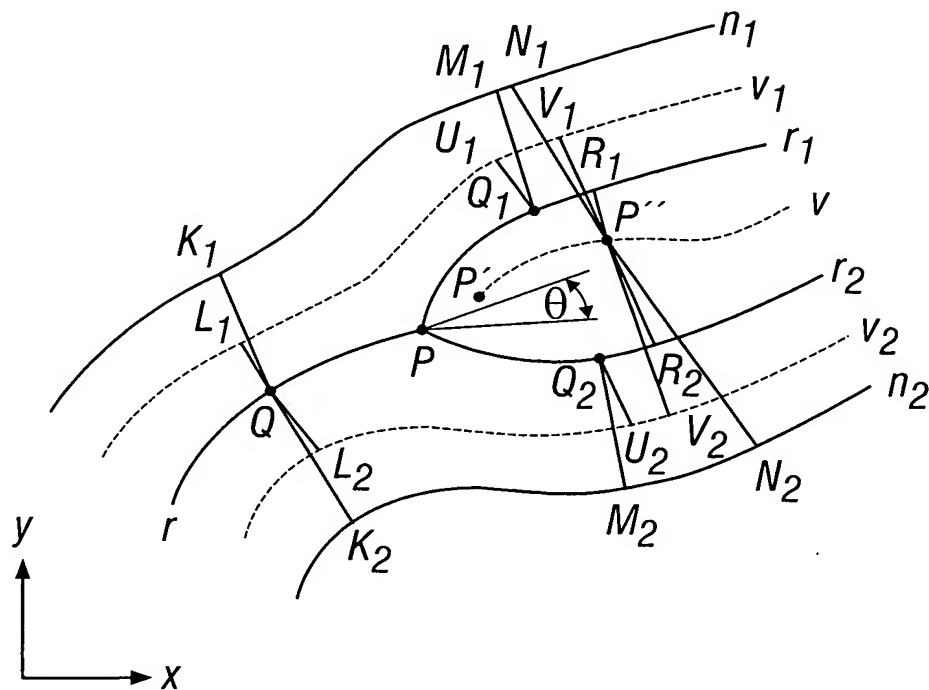


FIG. 3

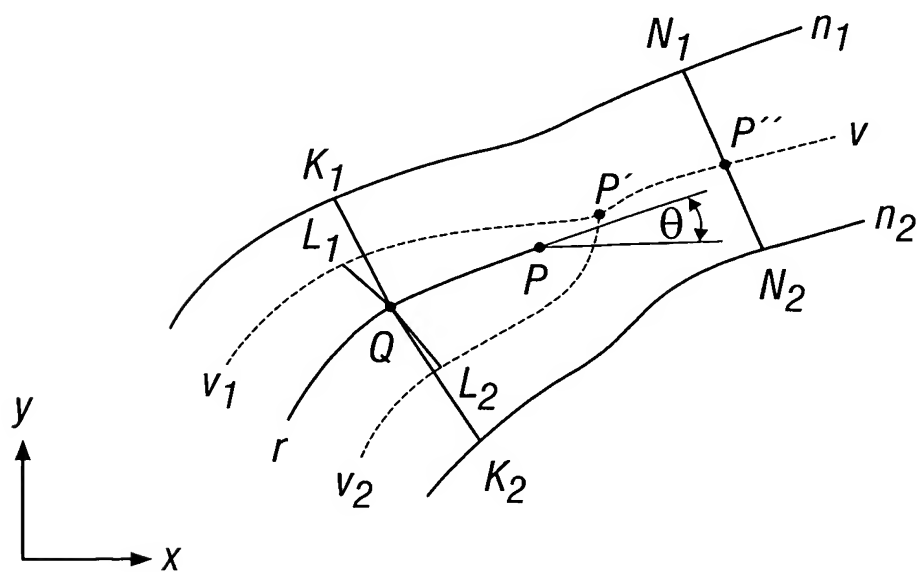


FIG. 4

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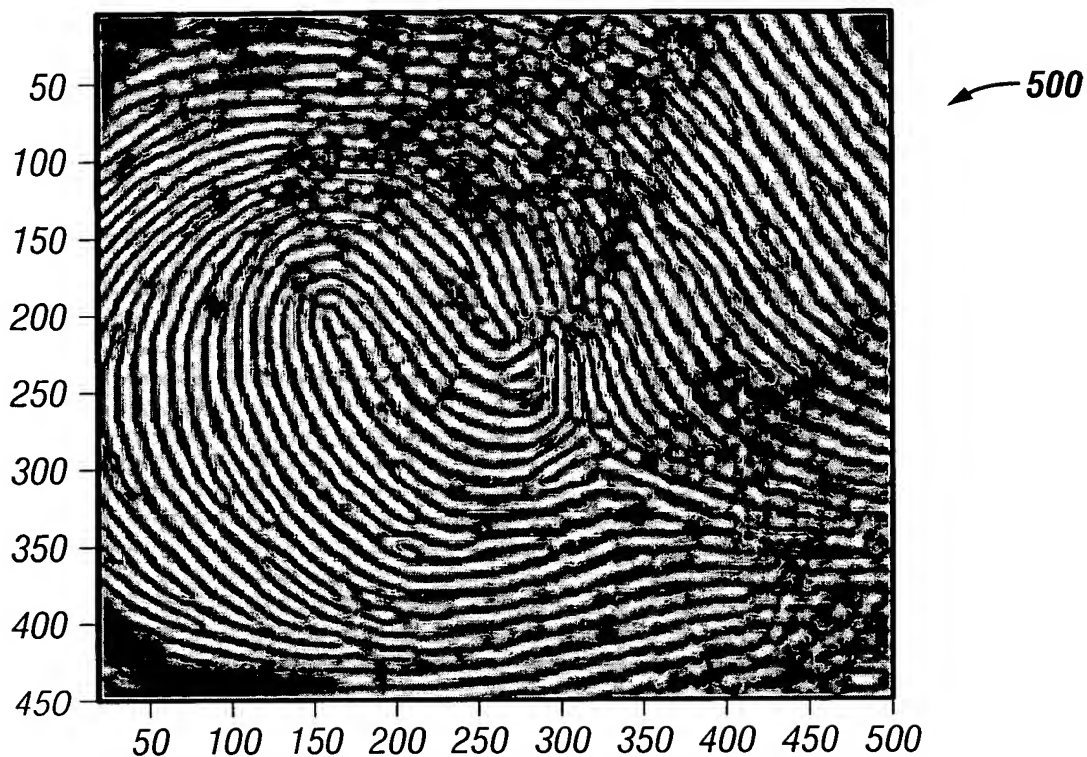


FIG. 5

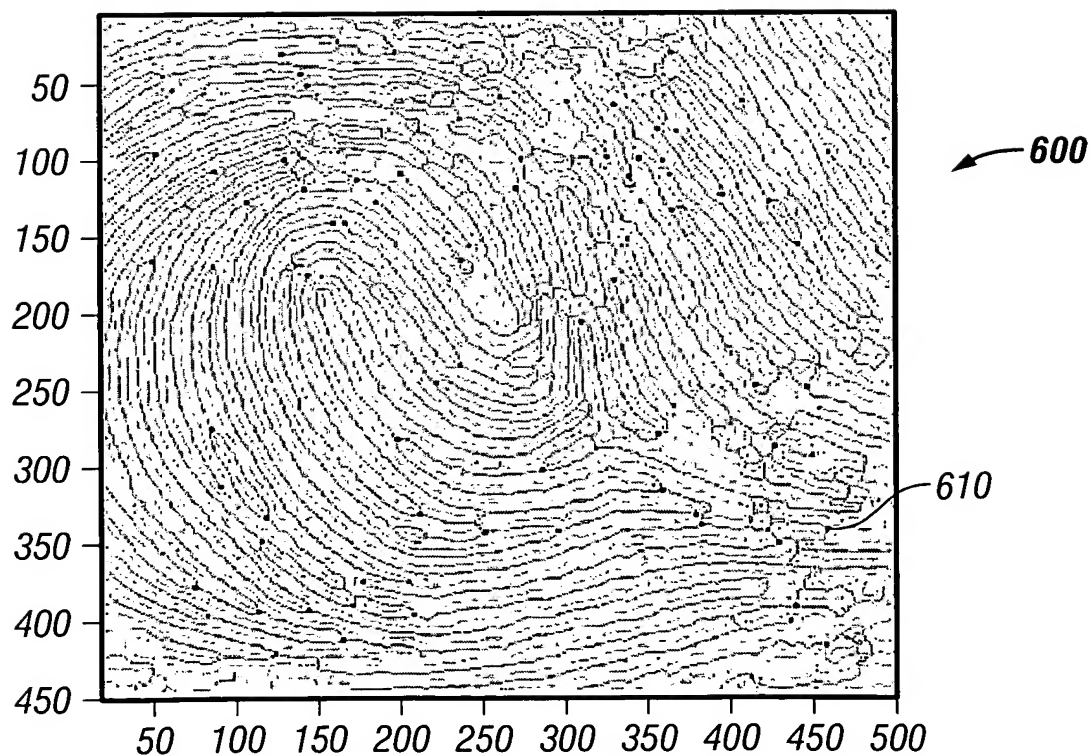


FIG. 6

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| <i>x</i> | <i>y</i> | <i>type</i> | <i>angle</i> | <i>score</i> |
|----------|----------|-------------|--------------|--------------|
| 146      | 108      | BM          | 302          | 2            |
| 345      | 210      | BM          | 251          | 4            |
| 352      | 375      | BM          | 111          | 5            |
| 263      | 407      | BM          | 31           | 5            |
| 130      | 333      | BM          | 340          | 6            |
| 261      | 220      | BM          | 50           | 8            |
| 362      | 116      | BM          | 46           | 9            |
| 357      | 248      | BM          | 286          | 10           |
| 264      | 437      | BM          | 211          | 15           |
| 50       | 196      | BM          | 266          | 19           |
| 250      | 234      | BM          | 243          | 34           |
| 433      | 124      | BM          | 253          | 37           |
| 100      | 350      | BM          | 223          | 39           |
| 183      | 53       | BM          | 334          | 43           |
| 409      | 84       | BM          | 251          | 45           |
| 187      | 88       | BM          | 328          | 45           |
| 391      | 77       | BM          | 245          | 47           |
| 409      | 206      | BM          | 250          | 52           |
| 347      | 119      | BM          | 224          | 53           |
| 152      | 358      | BM          | 37           | 53           |
| 356      | 291      | BM          | 291          | 53           |
| 406      | 144      | BM          | 251          | 59           |
| 146      | 415      | BM          | 29           | 59           |
| 425      | 164      | BM          | 270          | 62           |
| 297      | 197      | BM          | 43           | 70           |
| 173      | 432      | BM          | 217          | 92           |
| 290      | 87       | BM          | 19           | 94           |
| 115      | 55       | BM          | 300          | 95           |
| 407      | 114      | BM          | 254          | 96           |
| 317      | 282      | BM          | 105          | 97           |
| 330      | 352      | BM          | 255          | 99           |
| 101      | 361      | TM          | 219          | 52           |
| 142      | 388      | TM          | 15           | 55           |
| 82       | 400      | TM          | 40           | 55           |
| 327      | 92       | TM          | 27           | 95           |
| 115      | 450      | TM          | 215          | 99           |

**FIG. 7**

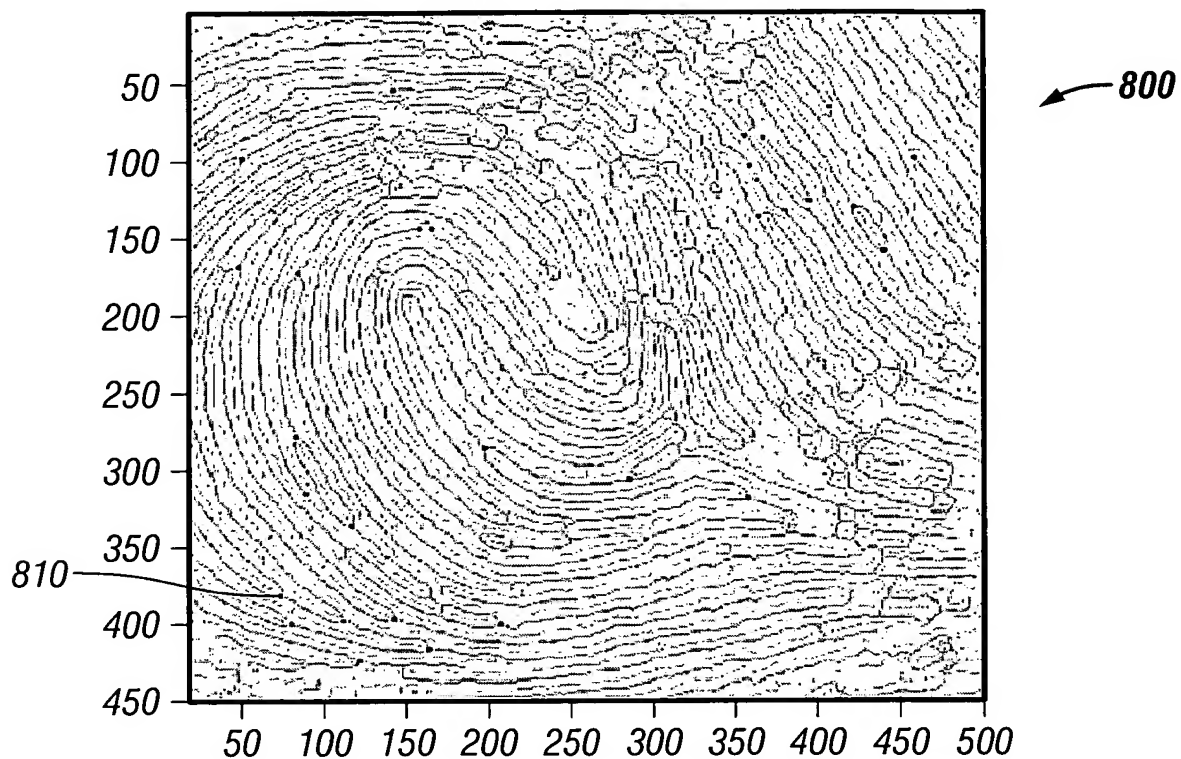


FIG. 8

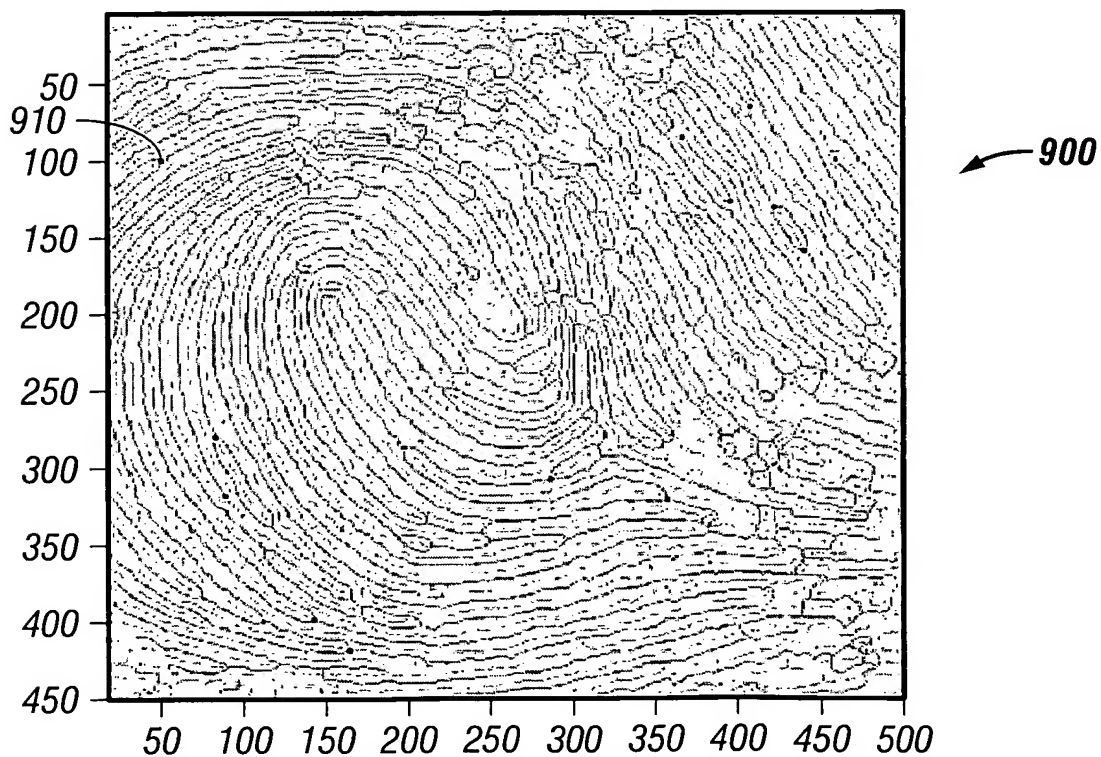


FIG. 9

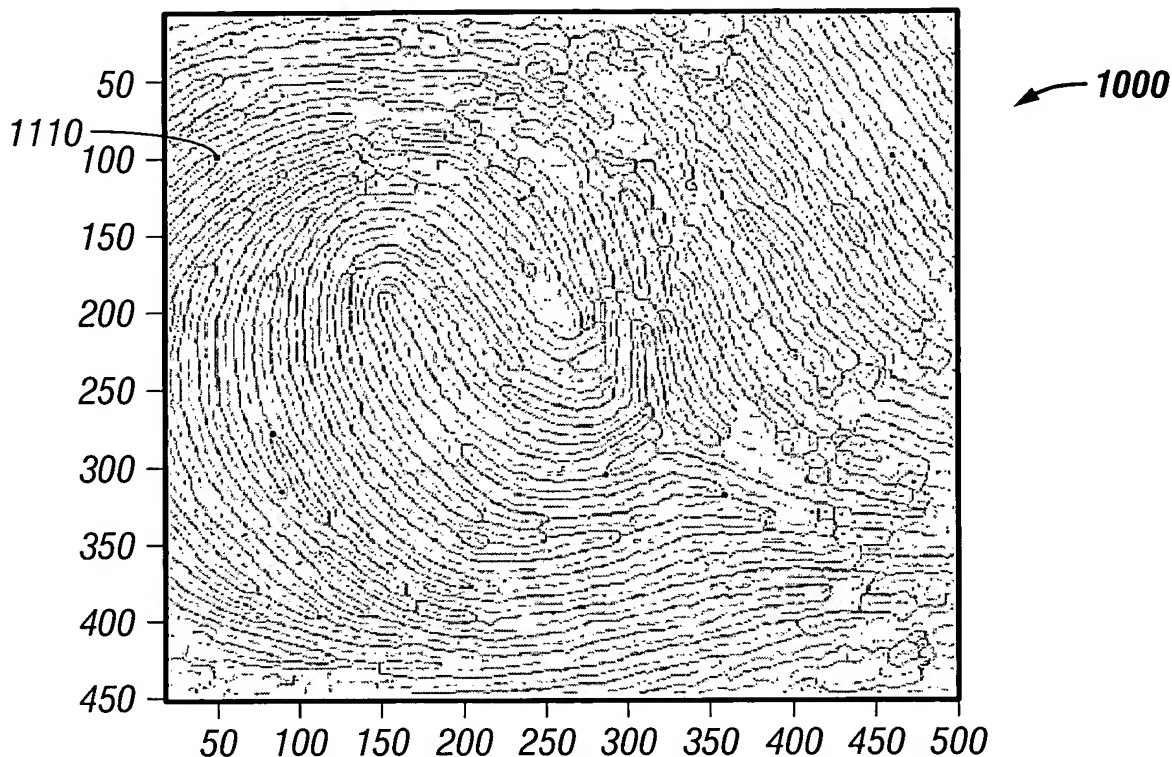


FIG. 10

| Number of<br>Sample Sets, <i>K</i> | CPU time in $\mu$ sec. |            | % Savings |
|------------------------------------|------------------------|------------|-----------|
|                                    | Standard Matching      | PSPM       |           |
| 10                                 | 39,696,066             | 1,280,111  | 96.70     |
| 20                                 | 85,016,140             | 3,457,594  | 95.90     |
| 50                                 | 228,242,586            | 11,784,255 | 94.83     |
| 100                                | 548,033,187            | 19,754,415 | 96.39     |
| 200                                | 1075,977,761           | 39,255,959 | 96.35     |

FIG. 11

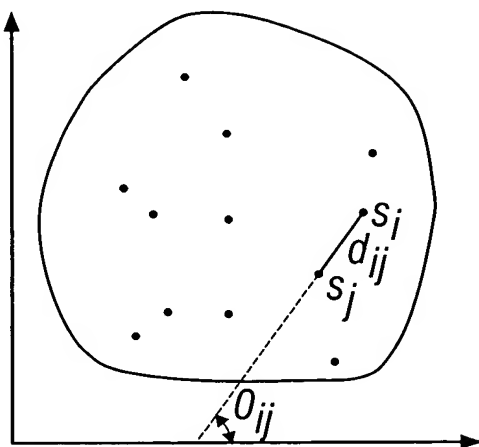


FIG. 12A

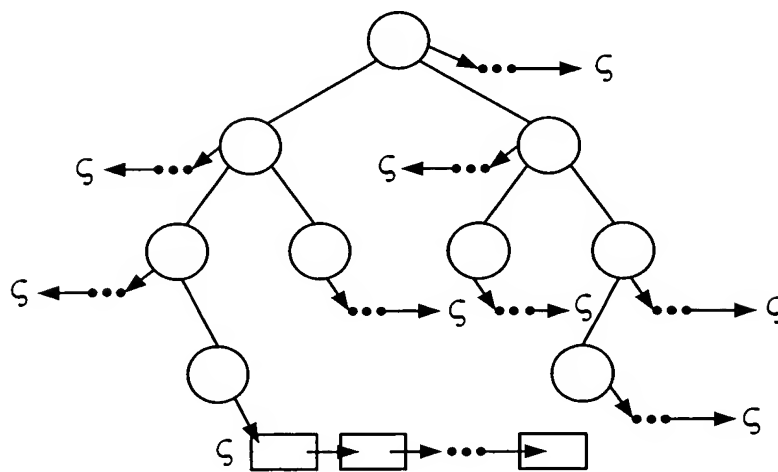


FIG. 12B

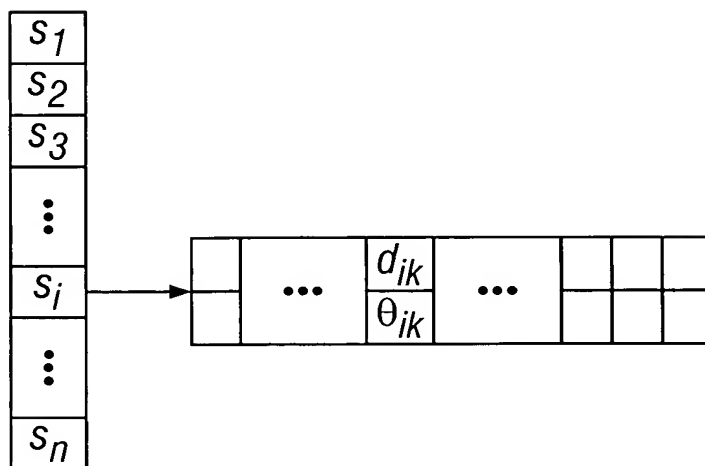


FIG. 12C